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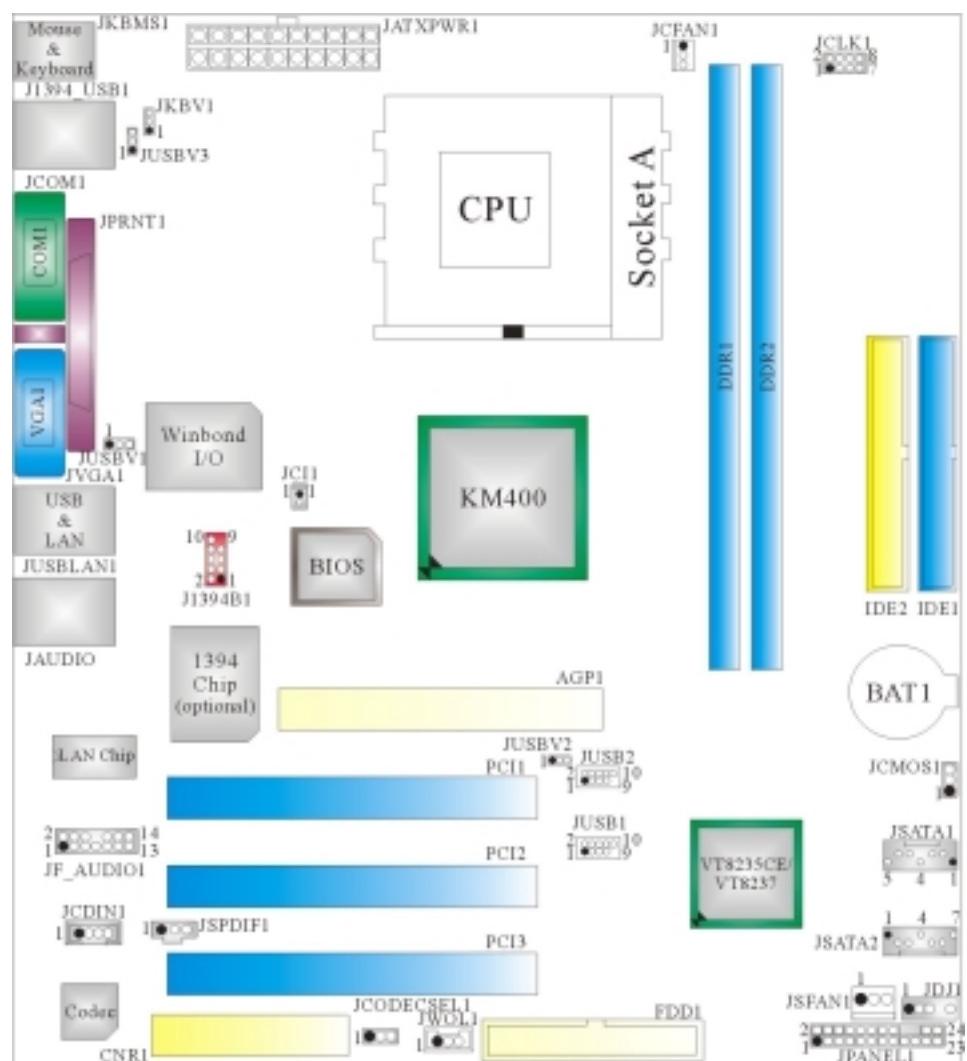
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Content

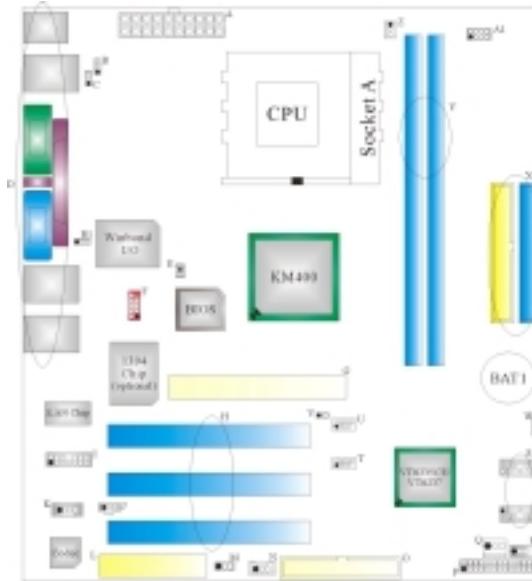
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Layout of M7VIZ



NOTE: ● represents the first pin.

Component Index



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L. Communication Network Riser Slot (CNR1) Y. DDR Modules (DDR1-2)
M. CNR Codec/ Onboard Selection (JCODECSEL1) Z. CPU Fan Connector (JCFAN1)
* optional
◎ only support with South Bridge VT8237

English

M7VIZ Features

A. Hardware

CPU

- Provides Socket A.
- Supports single AMD® Athlon/ Duron Family processor.
- Front Side Bus at 200/266/333 MHz.

Chipset

- North Bridge: VIA KM400.
- South Bridge: VIA VT8235CE/ VT8237.(optional)

Main Memory

- Supports up to 2 DDR devices.
- Supports 200/266/333 MHz (without ECC) DDR devices.
- Maximum memory size is 2GB.

Super I/O

- Chip: Winbond W83697HF.

Slots

- Three 32-bit PCI bus master slots.
- One CNR slot. (only Type B)
- One AGP 8X slot.

On Board IDE

- Supports four IDE disk drives.
- Supports PIO Mode 4, Master Mode and Ultra DMA 33/66/100/133 Bus Master Mode.

LAN

- Chip: VIA VT6103.
- Supports 10 Mb/s and 100 Mb/s auto-negotiation
- Half/Full duplex capability.

IEEE 1394 Chip (optional)

- Chip: VIA VT6307.
- Supports 2 IEEE 1394 ports.
- Detects connected device types and automatically configure data speed to 100, 200 or 400 Mbps.

On Board AC'97 Sound Codec

- Chip: CMI9739A.
- Compliant with AC'97 specification.

-
- Supports 6 channels.

On Board Peripherals

a. Rear side

- 1 serial port.
- 1 VGA port.
- 1 parallel port. (SPP/EPP/ECP mode)
- Audio ports in vertical position.
- 1 RJ-45 LAN jack.
- PS/2 mouse and PS/2 keyboard.
- 4 USB2.0 ports.
- 1 1394A Firewire ports. (optional)

b. Front Side

- 1 floppy port supports 2 FDDs with 360K, 720K, 1.2M, 1.44M and 2.88Mbytes.
- 2 USB2.0 ports. (4 USB2.0 ports only support with South Bridge VT8237)
- 1 front audio header.
- 1 S/PDIF header.
- 1 1394A Firewire ports. (optional)

Dimensions

- ATX Form Factor: 22.1 X 24.5cm (W X L)

B. BIOS & Software

BIOS

- Award legal BIOS.
- Supports APM1.2.
- Supports ACPI.
- Supports USB Function.

Software

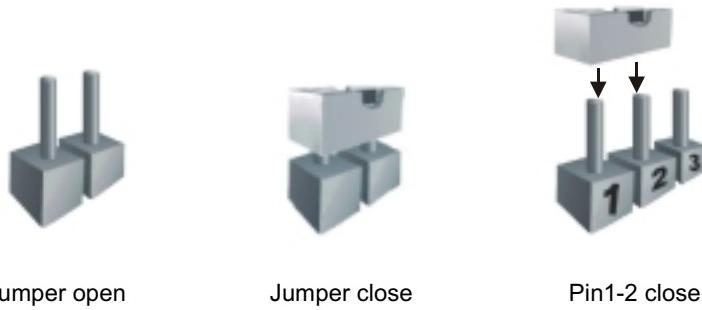
- Supports Warpspeeder™, 9th Touch™, FLASHER™ and StudioFun!™ (optional).
- Offers the highest performance for Windows 98 SE, Windows 2000, Windows Me, Windows XP, SCO UNIX etc.

Package contents

- HDD Cable X 1
 - FDD Cable X 1
 - User's Manual X 1
 - Fully Setup Driver CD X 1
 - StudioFun! Application CD X 1 (optional)
 - USB 2.0 Cable X 1 (optional)
 - S/PDIF Cable X 1 (optional)
 - Rear I/O Panel for Micro ATX Case X 1 (optional)
 - IEEE 1394 Cable X 1 (optional)
-

How to set up Jumper

The illustration shows how to set up jumper. When the Jumper cap is placed on pins, the jumper is "close". If no jumper cap is placed on the pins, the jumper is "open". The illustration shows a 3-pin jumper whose pin1 and 2 are "close" when jumper cap is placed on these 2 pins.



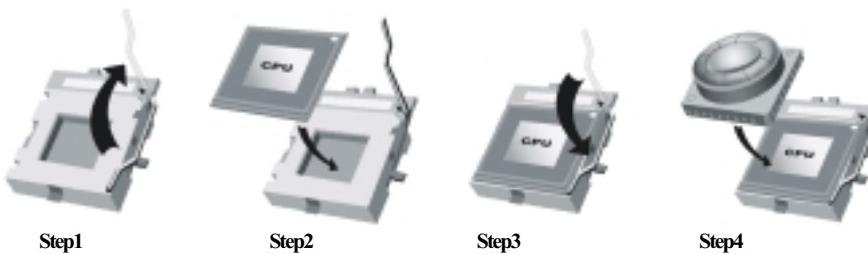
CPU Installation

Step1: Pull the lever sideways away from the socket and then raise the lever up to a 90-degree angle.

Step2: Look for the white dot/cut edge. The white dot/cut edge should point towards the lever pivot. The CPU will fit only in the correct orientation.

Step3: Hold the CPU down firmly, and then close the lever to complete the installation.

Step4: Put the CPU Fan on the CPU and buckle it. Connect the CPU fan power cable to the JCFAN1. This completes the installation.



CPU Fan Header: JCFAN1

JCFAN1	1	Pin	Assignment
	1	Ground	
	2	+12V	
	3	FAN RPM rate Sense	

System Fan Header: JSFAN1

JSFAN1	1	Pin	Assignment
	1	Ground	
	2	+12V	
	3	FAN RPM rate Sense	

DDR DIMM Modules: DDR1, DDR2

DRAM Access Time: 2.5V Unbuffered/ Registered DDR 200 MHz (PC1600)/

DDR 266 MHz (PC2100)/ DDR 333 MHz (PC2700) Type required.

DRAM Type: 64MB/ 128MB/ 256MB/ 512MB/ 1GB DIMM Module (184 pin)

DIMM Socket Location	DDR Module	Total Memory Size (MB)
DDR 1	64MB/128MB/256MB/512MB/1GB *1	Max is 2GB
DDR 2	64MB/128MB/256MB/512MB/1GB *1	

Only for reference

Installing DDR Module

1. Unlock a DIMM slot by pressing the retaining clips outward. Align a DIMM on the slot such that the notch on the DIMM matches the break on the slot.
2. Insert the DIMM vertically and firmly into the slot until the retaining chip snap back in place and the DIMM is properly seated.



Jumpers, Headers, Connectors & Slots

Floppy Disk Connector: FDD1

The motherboard provides a standard floppy disk connector that supports 360K, 720K, 1.2M, 1.44M and 2.88M floppy disk types. This connector supports the provided floppy drive ribbon cables.

Hard Disk Connectors: IDE1/ IDE2

The motherboard has a 32-bit Enhanced PCI IDE Controller that provides PIO Mode 0~5, Bus Master, and Ultra DMA 33/ 66/ 100/ 133 functionality. It has two HDD connectors IDE1 (primary) and IDE2 (secondary).

The IDE connectors can connect a master and a slave drive, so you can connect up to four hard disk drives. The first hard drive should always be connected to IDE1.

Peripheral Component Interconnect Slots: PCI 1-3

This motherboard is equipped with 3 standard PCI slots. PCI stands for Peripheral Component Interconnect, and it is a bus standard for expansion cards. This PCI slot is designated as 32 bits.

Accelerated Graphics Port Slot: AGP1

Your monitor will attach directly to that video card. This motherboard supports video cards for PCI slots, but it is also equipped with an Accelerated Graphics Port (AGP). An AGP card will take advantage of AGP technology for improved video efficiency and performance, especially with 3D graphics.

Communication Network Riser Slot: CNR1

The CNR specification is an open Industry Standard Architecture, and it defines a hardware scalable riser card interface, which supports modem only.

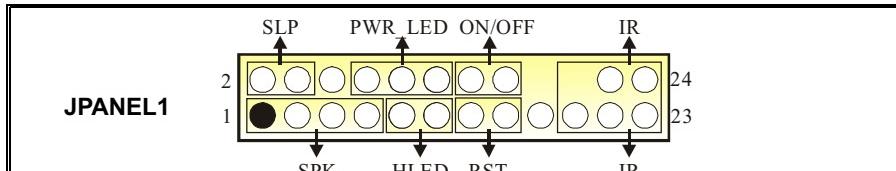
Serial ATA Connector: JSATA1/ JSATA2 (only support with South Bridge VT8237)

The motherboard has a PCI to SATA Controller with 2 channels SATA interface, it satisfies the SATA 1.0 spec and can transfer data with 1.5 Gb/s speed.

Note: 1. When plugging SATA HDD on JSATA1 connector, SATA BIOS will automatically detect as channel 1.

2. When plugging SATA HDD on JSATA2 connector, SATA BIOS will automatically detect as channel 0.

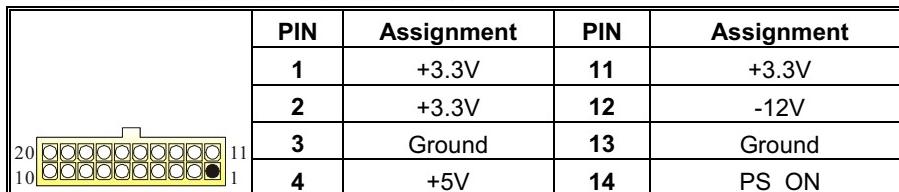
Front Panel Connector: JPANEL1



The diagram shows a 24-pin connector labeled JPANEL1. The pins are grouped into four columns: a left column with pins 1-7, a middle column with pins 8-15, a right column with pins 16-23, and a final column with pin 24. Arrows point from labels to specific pins: SLP (pin 2), PWR LED (pin 3), ON/OFF (pin 4), IR (pin 24), SPK (pin 1), HLED (pin 9), RST (pin 11), and IR (pin 23).

Pin	Assignment	Function	Pin	Assignment	Function
1	+5V	Speaker Connector	2	Sleep Control	Sleep
3	NA		4	Ground	Button
5	NA		6	NA	NA
7	Speaker		8	Power LED (+)	POWER LED
9	HDD LED (+)	Hard Drive LED	10	Power LED (+)	
11	HDD LED (-)		12	Power LED (-)	
13	Ground	Reset Button	14	Power Button	Power-on
15	Reset Control		16	Ground	Button
17	NA		18	KEY	
19	NA	IrDA Connector	20	KEY	IrDA
21	+5V		22	Ground	
23	IRTX		24	IRRX	Connector

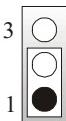
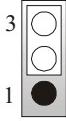
Power Connectors: JATXPWR1



The diagram shows a 20-pin connector labeled JATXPWR1. The pins are grouped into two columns: a left column with pins 1-10 and a right column with pins 11-20. Arrows point from labels to specific pins: +3.3V (pins 1, 2), Ground (pins 3, 5, 7, 13, 15, 16, 17), +5V (pins 4, 6, 9), PW_OK (pin 8), Standby Voltage +5V (pin 9), -12V (pin 12), -5V (pin 18), and +12V (pin 10).

PIN	Assignment	PIN	Assignment
1	+3.3V	11	+3.3V
2	+3.3V	12	-12V
3	Ground	13	Ground
4	+5V	14	PS_ON
5	Ground	15	Ground
6	+5V	16	Ground
7	Ground	17	Ground
8	PW_OK	18	-5V
9	Standby Voltage +5V	19	+5V
10	+12V	20	+5V

Power Source Selection for Keyboard/ Mouse: JKBV1

JKBV1	Assignment	Description
 Pin 1-2 close	+5V	+5V for keyboard and mouse
 Pin 2-3 close	+5V Standby Voltage	PS/2 Mouse and PS/2 Keyboard are powered with +5V standby voltage

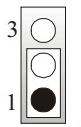
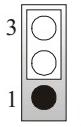
Note: In order to support the function “power-on the system via keyboard and mouse function, “JKBV1” jumper cap should be placed on pin 2-3.

Power Source Selection for USB: JUSBV1/ JUSBV2/ JUSBV3

JUSBV1/JUSBV2/ JUSBV3	Assignment	Description
 Pin 1-2 close	+5V	JUSBV3: 5V for USB at the 1394_USB1 port connector JUSBV2: 5V for USB at the JUSB2 port connector JUSBV1: 5V for USB at the JUSBLAN1 port connector
 Pin 2-3 close	+5V Standby Voltage	JUSBV3: J1394_USB1 port is powered with standby voltage of 5V JUSBV2: JUSB2 port is powered with standby voltage of 5V JUSBV1: JUSBLAN1 port is powered with standby voltage of 5V

Note: In order to support the function “power-on the system via USB devices function, “JUSBV1/JUSBV2/ JUSBV3” jumper cap should be placed on pin 2-3 respectively.

Clear CMOS Jumper: JCMOS1

JCMOS1	Assignment
 3 1 Pin 1-2 Close	Normal Operation (default)
 3 1 Pin 2-3 Close	Clear CMOS Data

※ **Clear CMOS Procedures:**

1. Remove AC power line.
2. Set the jumper to “Pin 2-3 Close”.
3. Wait for five seconds.
4. Set the jumper to “Pin 1-2 Close”.
5. Power on the AC.
6. Reset your desired password or clear the CMOS data.

Case Open Connector: JCI1

JCI1	Pin	Assignment
	1	Case Open Signal
	2	Ground

Serial ATA Connector: JSATA1/ JSATA2 (only support with South Bridge VT8237)

JSATA1/ JSATA2	Pin	Assignment	Pin	Assignment
	1	Ground	2	TX+
	3	TX-	4	Ground
	5	RX-	6	RX+
	7	Ground		

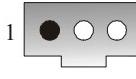
CD-ROM Audio-In Header: JCDIN1

JCDIN1	Pin	Assignment
	1	Left Channel Input
	2	Ground
	3	Ground
	4	Right Channel Input

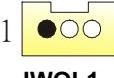
Front Panel Audio Header: JF_AUDIO1

		2	○○○○○○○○	14
		1	●○○○○○○○○	13
Pin	Assignment	Pin	Assignment	
1	Mic In/ Center	2	Ground	
3	Mic Power/ Bass	4	Audio Power	
5	Right Line Out/ Speaker Out Right	6	Right Line Out/ Speaker Out Right	
7	Reserved	8	Key	
9	Left Line Out/ Speaker Out Left	10	Left Line Out/ Speaker Out Left	
11	Right Line In/ Rear Speaker Right	12	Right Line In/ Rear Speaker Right	
13	Left Line In/ Rear Speaker Left	14	Left Line In/ Rear Speaker Left	

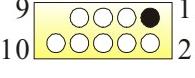
Digital Audio Connector: JSPDIF1

 JSPDIF1	Pin	Assignment
	1	+5V
	2	SPDIF_OUT
	3	Ground

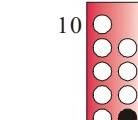
Wake On LAN Header: JWOL1

 JWOL1	Pin	Assignment
	1	+5V_SB
	2	Ground
	3	Wake up

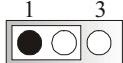
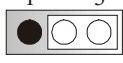
Front USB Header: JUSB2, (JUSB1=>only support with South Bridge VT8237)

 JUSB1/2	Pin	Assignment	Pin	Assignment
	1	+5V(fused)	2	+5V(fused)
	3	USB-	4	USB-
	5	USB+	6	USB+
	7	Ground	8	Ground
	9	KEY	10	NC

Front 1394 Header: J1394B1

 J1394B1	Pin	Assignment	Pin	Assignment
	1	A+	2	A-
	3	Ground	4	Ground
	5	B+	6	B-
	7	+12V	8	+12V
	9	KEY	10	Ground

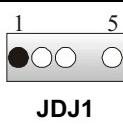
CNR Codec/ Onboard Selection: JCODECSEL1

JCODECSEL1	Assignment
 Pin 1-2 Close	Onboard Codec is used (default)
 Pin 2-3 Close	CNR Codec is used

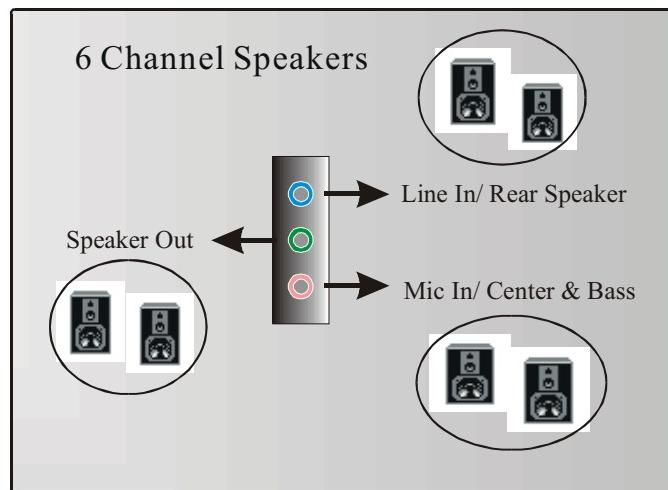
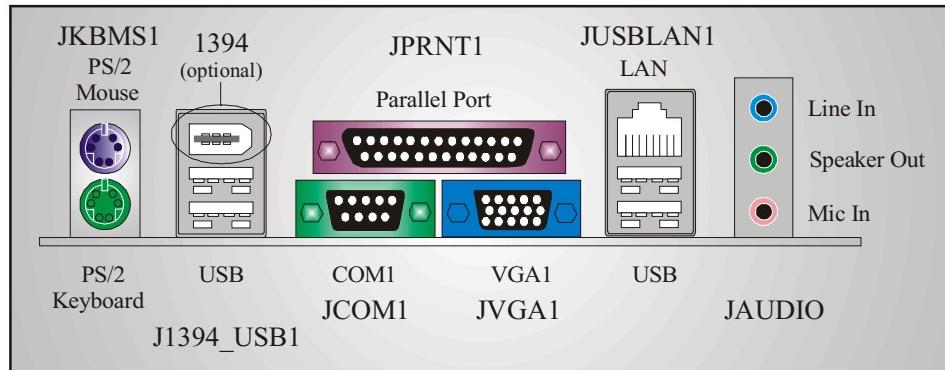
Frequency Selection: JCLK1

Pin	100 MHz	133 MHz	166 MHz
1-2	Open	Open	Open
3-4	Close	Open	Open
5-6	Open	Open	Close
7-8	Open	Open	Open

Audio DJ: JDJ1

 JDJ1	Pin	Assignment	Pin	Assignment
	1	SMBDT	2	SMBCK
	3	-INTR_B	4	NA
	5	PWRGD		

Back Panel Connectors



Deutsch

Spezifikationen von M7VIZ

A. Hardware

CPU

- Unterstützung für Sockel A.
- Unterstützung für die AMD® Athlon/ Duron-Familie Prozessor.
- FSB mit 200/266/333 MHz.

Chipsatz

- Northbridge: VIA KM400.
- Southbridge: VIA VT8235CE/ VT8237.(optional)

Hauptspeicher

- Unterstützung für 2 DDR Geräte.
- Unterstützung für 200/266/333 MHz (ohne ECC) DDR Geräte.
- Die maximale Speichergröße ist 2GB.

Super I/O

- Chip: Winbond W83697HF.

Steckplätze

- Drei 32-bit PCI-Bus-Slots.
- Ein CNR-Slot. (nur für Typ B)
- Ein 8X AGP-Slot.

Onboard-IDE

- Unterstützung für vier IDE Diskettenlaufwerke.
- Unterstützung für PIO Modus 4, Bride Modus und Ultra DMA 33/66/100/133 Bus Master Modus.

LAN

- Chip: VIA VT6103.
- Unterstützung für 10 Mb/s und 100 Mb/s Auto-Negotiation
- Halb/Voll-Duplex.

IEEE 1394 Chip (optional)

- Chip: VIA VT6307.
- Unterstützung für 2 IEEE 1394 Ports.
- Ermöglicht die Entdeckung von Typen der verbrauchten Geräte, und die automatische Konfiguration von Datentransferraten zu 100, 200, oder 400 Mbps.

Onboard AC'97 Sound Codec

- Chip: CMI9739A.

-
- Entspricht die Spezifikation von AC'97.
 - Unterstützung für 6-Kanal.

Onboard-Peripheriegeräte

a. Für Rückwand

- 1 serielle Schnittstelle.
- 1 VGA-Schnittstelle.
- 1 parallele Schnittstelle. (SPP/EPP/ECP-Modus)
- Audio-Ports.
- 1 RJ-45 LAN-Buchse (optional)
- Unterstützung für PS/2-Maus und PS/2-Tastatur.
- 4 USB 2.0-Ports.
- 1 1394A-Port. (optional)

b. Für Vorderseite

- 1 Floppy-Port mit Unterstützung für 2 Diskettenlaufwerke.(360KB, 720KB, 1.2MB, 1.44MB und 2.88MB)
- 2 USB2.0-Ports. (4 USB2.0-Ports sind für Southbridge VT8237)
- 1 Front-Audio-Header.
- 1 S/PDIF-Header.
- 1 1394A Firewire ports. (optional)

Abmessungen

- ATX Form-Factor: 22.1 X 24.5cm (W X L)

B. BIOS & Software

BIOS

- Award legal Bios.
- Unterstützung für APM1.2.
- Unterstützung für ACPI.
- Unterstützung für USB Funktion.

Software

- Unterstützung für Warpspeeder™, 9th Touch™, FLASHER™ und StudioFun!™ (optional).
- Unterstützung für die am meisten verbreiteten Betriebssysteme wie Windows 98SE, Windows 2000, Windows ME, Windows XP and SCO UNIX usw.

Verpackungsinhalt

- Kabel für HDD X 1
 - Kabel für FDD X 1
 - Benutzer Handbuch X 1
 - Treiber CD für Installation X 1
 - StudioFun! Anwendung CD X 1 (optional)
 - USB 2.0 Kable X 1 (optional)
 - S/PDIF Kable X 1 (optional)
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-
- I/O-Rückwand für ATX Gehäuse X1 (optional)
 - IEEE 1394 Kable X 1 (optional)

Einstellung der Jumper

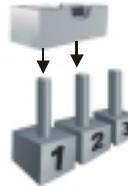
Die Abbildung verdeutlicht, wie Jumper eingestellt werden. Pins werden durch die Jumper-Kappe verdeckt, ist der Jumper *"geschlossen"*. Keine Pins werden durch die Jumper-Kappe verdeckt, ist der Jumper *"geöffnet"*. Die Abbildung zeigt einen 3-Pin Jumper dessen Pin1 und Pin2 *"geschlossen"* sind, bzw. es befindet sich eine Jumper-Kappe auf diesen beiden Pins.



Jumper geöffnet



Jumper geschlossen



Pin1-2 geschlossen

Installation der CPU

Schritt 1: Ziehen Sie den Hebel seitlich vom Sockel weg. Heben Sie den Hebel dann in 90-Grad-Winkel nach oben.

Schritt 2: Suchen Sie nach der scharfen Kante, die auf Drehpunkt des Hebels weisen muss. Die CPU passt nur, wenn sie richtig ausgerichtet ist.

Schritt 3: Drücken Sie die CPU fest in den Sockel und schließen Sie den Hebel.

Schritt 4: Stecken Sie Ihren CPU-Lüfter auf die CPU. Schließen Sie die Stromversorgungsstecker für CPU-Lüfter an JCFAN1 an. Dann beenden Sie die Installation.



Schritt 1



Schritt 2



Schritt 3



Schritt 4

CPU-Lüfter Headers: JCFAN1

JCFAN1	1	Pin	Beschreibung
	1	1	Masse
		2	+12V
		3	FAN RPM Geschwindigkeit Sensor

System-Lüfter Headers: JSFAN1

JSFAN1	1	Pin	Beschreibung
	1	1	Masse
		2	+12V
		3	FAN RPM Geschwindigkeit Sensor

DDR DIMM Modules: DDR1, DDR2

DRAM-Zugriffszeit: 2.5V unbuffered DDR/Registered DDR 200 MHz (PC1600)/

DDR 266 MHz (PC2100)/ DDR 333 MHz (PC2700) Typ erforderlich.

DRAM-Typ: 64MB/ 128MB/ 256MB/ 512MB/ 1GB DIMM-Module(184-Pin)

DIMM-Sockel Standort	DDR-Modul	Speichergröße (MB)
DDR 1	64MB/128MB/256MB/512MB/1GB *1	Maximal ist 2GB
DDR 2	64MB/128MB/256MB/512MB/1GB *1	

Nur als Referenz*

Installation von DDR-Modul

1. Öffnen Sie einen DIMM-Slots, indem Sie die seitlich Chips nach außen drücken. Richten Sie das DIMM-Modul so über dem Slot aus, dass das Modul mit der Kerbe in den Slot passt.
2. Drücken Sie das DIMM-Modul in den Slot, bis die seitlichen Clips zuschnappen und das Modul fest sitzt.



Jumpers, Headers, Anschlüsse & Steckplätze

Diskettenanschluss: FDD1

Das Motherboard enthält einen standardmäßigen Diskettenanschluss, der 360K-, 720K-, 1.2M-, 1.44M- und 2.88M-Disketten unterstützt. Dieser Anschluss unterstützt die mitgelieferte Bandkabel des Diskettenlaufwerks.

Festplattenanschlüsse: IDE1 und IDE2

Das Mainboard hat einen 32-bit Enhanced PCI IDE-Controller, der die Modi PIO0~4, Bus Master sowie die Ultra DMA/33/66/100/133- Funktion zur Verfügung stellt. Dieser ist mit zwei HDD-Anschlüssen versehen IDE1 (primär) und IDE2 (sekundär).

Die IDE-Anschlüsse können eine Master- und eine Slave-Festplatte verbinden, so dass bis zu 4 Festplatten angeschlossen werden können. Die erste Festplatte sollte immer an IDE1 angeschlossen werden.

Peripheral Component Interconnect Slots: PCI 1-3

Dieses Motherboard ist mit 3 standardmäßigen PCI-Slots ausgestattet. PCI steht für Peripheral Component Interconnect und bezieht sich auf einem Busstandard für Erweiterungskarten, der den älteren ISA-Busstandard in den meisten Schnittstellen ersetzt hat. Dieser PCI-Slot ist für 32 bits vorgesehen.

Accelerated Graphics Port Slot: AGP1

Ihr Monitor wird direkt an die Grafikkarte angeschlossen. Dieses Motherboard unterstützt Grafikkarten für PCI-Slots, aber es ist auch mit einem Accelerated Graphics Port ausgestattet. AGP-Karten verwenden die AGP-Technologie, um die Wirksamkeit und Leistung von Videosignalen zu verbessern, besonders wenn es sich um 3D-Grafiken handelt.

Communication Network Riser Slot: CNR1

Die CNR-Angaben entsprechen einer offenen Industry Standard Architecture, und sie definieren eine Hardware-skalierbare Riser-Card-Schnittstelle, welche nur Audio, Netzwerk und Modem unterstützt.

Serial ATA Connector: JSATA1/ JSATA2 (nur für Southbridge VT8237)

Auf diesen Motherboard gibt es ein PCI-to-SATA Controller mit 2-Kanal Interface, die der Spezifikation von SATA 1.0 entspricht. (Datenübertragung mit 1.5Gb/s)

Anmerkung: *1. Wenn SATA HDD auf JSATA1 eingesteckt wird, wird SATA BIOS automatisch als Kanal 1 finden.
2. Wenn SATA HDD auf JSATA2 eingesteckt wird, wird SATA BIOS automatisch als Kanal 0 finden.*

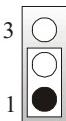
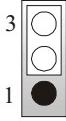
Anschlüsse für die Vorderseite: JPANEL1

JPANEL1					
Pin	Belegung	Funktion	Pin	Belegung	Funktion
1	+5V	Lautsprecher-Anschluss	2	Schlaf-Kontroll	Schlaf-Knopf
3	Kein		4	Masse	
5	Kein		6	Kein	Kein
7	Lautsprecher		8	Power LED (+)	POWER LED
9	HDD LED (+)	Festplatte	10	Power LED (+)	
11	HDD LED (-)		12	Power LED (-)	
13	Masse		14	Power-Knopf	Power-On Knopf
15	Reset-Kontroll	Rückstell-knopf	16	Masse	
17	Kein		18	Schlüsse	
19	Kein	IrDA-Anschluss	20	Schlüsse	IrDA Anschluss
21	+5V		22	Masse	
23	IRTX		24	IRRX	

Stromversorgungsanschluss: JATXPWR1

		PIN	Beschreibung	PIN	Beschreibung
JATXPWR1		1	+3.3V	11	+3.3V
20		2	+3.3V	12	-12V
10		3	Masse	13	Masse
11		4	+5V	14	PS_ON
1		5	Masse	15	Masse
6		6	+5V	16	Masse
7		7	Masse	17	Masse
8		8	PW_OK	18	-5V
9		9	5V reservierte Spannung	19	+5V
10		10	+12V	20	+5V

Auswahl von Stromsmodi für Tastatur/ Maus: JKVB1

JKVB1	Pin-Belegung	Beschreibung
 Pin 1-2 geschlossen	+5V	+5V für Tastatur und Maus
 Pin 2-3 geschlossen	+5V reservierte Spannung	Durch +5V reservierte Spannung für PS/2-Maus und PS/2-Tastatur zum Erwecken vom System

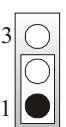
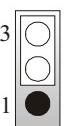
Anmerkung: Um die Funktion —“Erwecken durch Tastatur/Maus” — zu aktivieren, müssen Pins 2-3 von JKVB1 durch die Jumperkappe verdeckt werden.

Auswahl von Stromsmodi für USB: JUSBV1/ JUSBV2/ JUSBV3

JUSBV1/JUSBV2	Pin-Belegung	Beschreibung
 Pin 1-2 geschlossen	+5V	JUSBV3: 5V für USB-Port von J1394_USB1 JUSBV2: 5V für USB-Port von JUSB2 JUSBV1: 5V für USB-Port von JUSBLAN1
 Pin 2-3 geschlossen	+5V reservierte Spannung	JUSBV3: 5V reservierte Spannung für J1394_USB1 zum Erwecken JUSBV2: 5V reservierte Spannung für JUSB2 zum Erwecken JUSBV1: 5V reservierte Spannung für JUSBLAN1 zum Erwecken

Anmerkung: Um die Funktion —“Erwecken durch USB-Geräte” — zu aktivieren, müssen Pins 2-3 von JUSBV1/JUSBV2/ JUSBV3 durch die Jumperkappe verdeckt werden.

Jumper zum Löschen des CMOS: JCMOS1

JCMOS1	Beschreibung
 Pin 1-2 geschlossen	Normale Operation (Default)
 Pin 2-3 geschlossen	CMOS-Daten Löschen

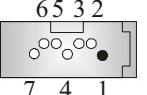
※ **Prozeduren zum Löschen des CMOS:**

1. Ausschalten Sie das System.
2. Lassen Sie Pin 2-3 von JCOMS1 geschlossen sein.
3. Bitte warten Sie 15 Sekunden.
4. Lassen Sie Pin 1-2 von JCOMS1 geschlossen sein.
5. Einschalten Sie das System wieder.
6. Zurücksetzen Sie ihr gewünschtes Kennwort oder löschen Sie die CMOS-Daten.

Warnmeldung für Chassis-Öffnen Anschluss: JCI1

1  JCI1	Pin	Belegung
	1	Warnmeldung für Chassis-Öffnen
	2	Masse

Serial ATA Anschlüsse: JSATA1/ JSATA2 (nur für Southbridge VT8237)

 JSATA1/ JSATA2	Pin	Belegung	Pin	Belegung
	1	Masse	2	TX+
	3	TX-	4	Masse
	5	RX-	6	RX+
	7	Masse		

CD-ROM Audio-In Header: JCDIN1

	Pin	Belegung
1	1	Eingabe von linken Kanal
	2	Masse
JCDIN1	3	Masse
	4	Eingabe von rechtenKanal

Digital Audio Anschluss: JSPDIF1

	Pin	Belegung
1	1	+5V
JSPDIF1	2	SPDIF_Ausgang
	3	Masse

Audio Header für Vorderseite: JF_AUDIO1

JF_AUDIO1			
Pin	Belegung	Pin	Belegung
1	Mikrofon-Eingang	2	Masse
3	Mikrofon-Betriebsspannung	4	Audio-Betriebsspannung
5	Audio-Signal des rechten Kanals zur Vorderseite	6	Audio-Signal des rechten Kanals zur Vorderseite
7	Reserviert für spät. Verwendung durch Kopfhörer-Verstärker	8	Kein Pin
9	Audio-Signal des linken Kanals zur Vorderseite	10	Audio-Signal des linken Kanals zur Vorderseite
11	Audio-Signal des rechten Kanals von der Vorderseite	12	Audio-Signal des rechten Kanals von der Vorderseite
13	Audio-Signal des linken Kanals von der Vorderseite	14	Audio-Signal des linken Kanals von der Vorderseite

Wake On LAN Header: JWOL1

	Pin	Belegung
1	1	+5V_SB
JWOL1	2	Masse
	3	Aufwecken

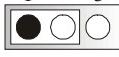
**Front USB Header: JUSB2/ (JUSB1=>nur für Southbridge
VT8237**

JUSB1/2	Pin	Belegung	Pin	Belegung
	1	+5V(geschmelzt)	2	+5V(geschmelzt)
	3	USB-	4	USB-
	5	USB+	6	USB+
	7	Masse	8	Masse
	9	Kein Pin	10	Kein

Front 1394 Header: J1394B1

J1394B1	Pin	Belegung	Pin	Belegung
	1	A+	2	A-
	3	Masse	4	Masse
	5	B+	6	B-
	7	+12V	8	+12V
	9	Kein Pin	10	Masse

Auswahl Onboard/CNR-Codec: JCODECSEL1

JCMOS1	Beschreibung
	Verwendung von Onboard-Codec (Default)
	Verwendung von CNR-Codec

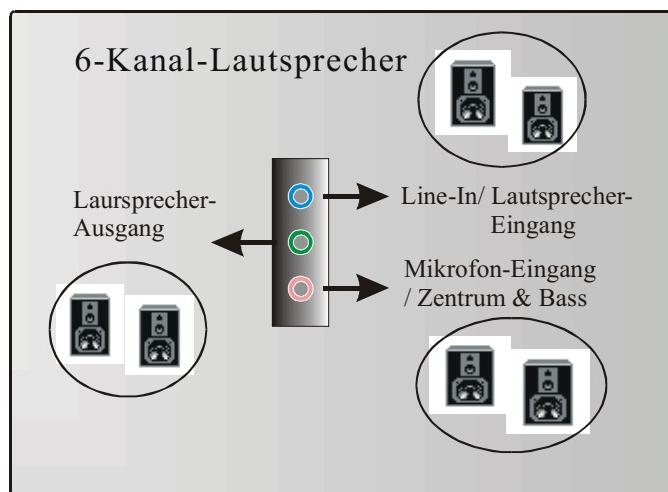
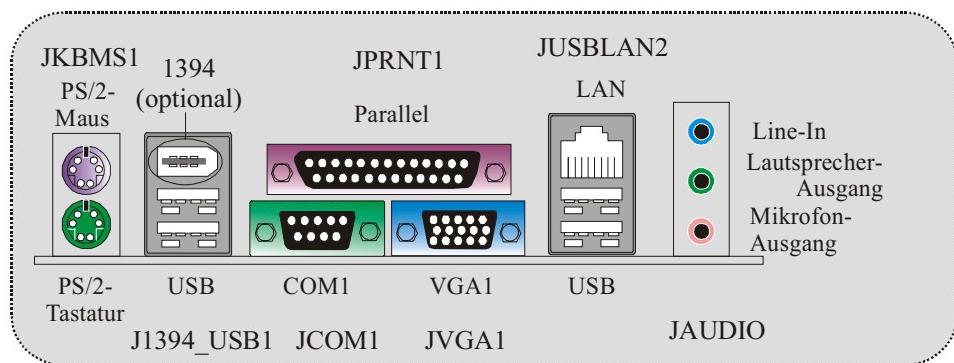
Frequenz Auswahl: JCLK1

Pin	100 MHz	133 MHz	166 MHz
1-2	öffnen	öffnen	öffnen
3-4	schließen	öffnen	öffnen
5-6	öffnen	öffnen	schließen
7-8	öffnen	öffnen	öffnen

Audio DJ: JDJ1

JDJ1	Pin	Belegung	Pin	Belegung
	1	SMBDT	2	SMBCK
	3	-INTR_B	4	Kein Pin
	5	PWRGD		

Anschlüsse für die Rückwand



Français

Caractéristiques de la M7VIZ

A. Matériel

Processeur

- Fournit un support Socket A.
- Prend en charge un unique processeur AMD® de la famille Athlon/ Duron.
- Bus face avant à 200/266/333 MHz.

Chipset

- Pont nord : VIA KM400.
- Pont sud : VIA VT8235CE/ VT8237.(option)

Mémoire principale

- Prend en charge 2 barrettes DDR.
- Prend en charge la mémoire DDR (sans ECC) à 200/266/333 MHz.
- Taille maximale de mémoire : 2 Go.

Super E/S

- Puce : Winbond W83697HF.

Expansion

- Trois emplacements PCI 32 bits bus maître.
- Un emplacement CNR. (Type B uniquement)
- Un emplacement AGP 8X.

IDE intégré

- Prend en charge quatre lecteurs de disques IDE.
- Prend en charge les modes PIO 4, Maître et bus maître Ultra DMA 33/66/100/133.

Réseau

- Puce : VIA VT6103.
- Prend en charge la négociation automatique 10 Mb/s et 100 Mb/s
- Capacité semi duplex/duplex complet.

Puce IEEE 1394 (option)

- Puce : VIA VT6307.
- Prend en charge 2 ports IEEE 1394.
- Déetecte les périphériques connectés et configure automatique la vitesse de transfert des données à 100, 200 ou 400 Mb/s.

Codec son AC'97 intégré

- Puce : CMI9739A.
- Conforme à la spécification AC'97.
- Prend en charge 6 canaux.

Péphériques intégrés

a. Face arrière

- 1 port série.
- 1 port VGA.
- 1 port parallèle. (mode SPP/EPP/ECP)
- Ports audio en position verticale.
- 1 prise réseau RJ-45.
- Souris et clavier PS/2.
- 4 ports USB2.0.
- 1 port 1394A Firewire. (option)

b. Face avant

- 1 port pour lecteur de disquettes prend en charge deux lecteurs de disquettes avec 360K, 720K, 1,2M, 1,44M et 2,88 Mo.
- 2 ports USB2.0. (4 ports USB2.0 uniquement avec le pont sud VT8237)
- 1 connecteur audio avant.
- 1 connecteur S/PDIF.
- 1 port 1394A Firewire. (option)

Dimensions

- Facteur de forme ATX: 22,1 X 24,5cm (l X L)

B. BIOS et logiciel

BIOS

- BIOS Award.
- Prend en charge APM1.2.
- Prend en charge ACPI.
- Prend en charge la fonction USB.

Logiciel

- Prend en charge Warpspeeder™, 9th Touch™, FLASHER™ et StudioFun!™ (option).
- Offre la meilleure performance sous Windows 98 SE, Windows 2000, Windows Me, Windows XP, SCO UNIX etc.

Contenu du carton

- Câble pour disque dur X1
- Câble pour lecteur de disquette X1
- Manuel de l'utilisateur X1
- CD complet d'installation des pilotes X 1
- CD d'application StudioFun! X 1 (option)
- Câble USB 2.0 X1 (option)
- Câble S/PDIF X 1(option)
- Panneau d'E/S arrière pour châssis ATX X 1 (option)
- Câble IEEE 1394 X 1 (option)

StudioFun!™ (Optional)

Introduction

StudioFun!™ is a media-player based on optimized GNU/Linux distribution to bring a “Room Theater” experience into life. It plays DVD, VCD, MP3, Audio CD and other multimedia. Furthermore, Users can take snapshots of video and customize the saved images as screensavers or photo slideshows. Of course, the images can be stored in USB mass storage devices like flash disks and USB floppy disks.

Hardware Requirements

The supported hardware list of StudioFun! updates regularly. So please check the “hwreq.txt” located in the root of StudioFun! CD to get the latest supporting information.

Installation and Usage

Please refer to the manual, located in the “**Manual**” folder under the root of StudioFun! CD, to get the most updated and detailed information of StudioFun. The manual comes in 3 different formats – Word format, PDF file format, or HTML format. Users can choose the favorite one.

WarpSpeeder



Introduction

[WarpSpeeder™], a new powerful control utility, features three user-friendly functions including Overclock Manager, Overvoltage Manager, and Hardware Monitor.

With the Overclock Manager, users can easily adjust the frequency they prefer or they can get the best CPU performance with just one click. The Overvoltage Manager, on the other hand, helps to power up CPU core voltage and Memory voltage. The cool Hardware Monitor smartly indicates the temperatures, voltage and CPU fan speed as well as the chipset information. Also, in the About panel, you can get detail descriptions about BIOS model and chipsets. In addition, the frequency status of CPU, memory, AGP and PCI along with the CPU speed are synchronically shown on our main panel.

Moreover, to protect users' computer systems if the setting is not appropriate when testing and results in system fail or hang, [WarpSpeeder™] technology assures the system stability by automatically rebooting the computer and then restart to a speed that is either the original system speed or a suitable one.

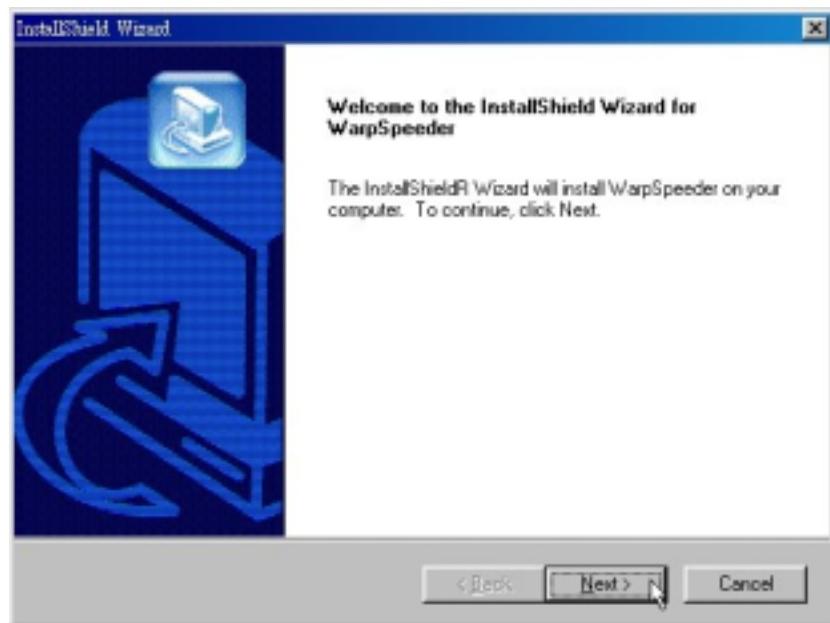
System Requirement

OS Support: Windows 98 SE, Windows Me, Windows 2000, Windows XP

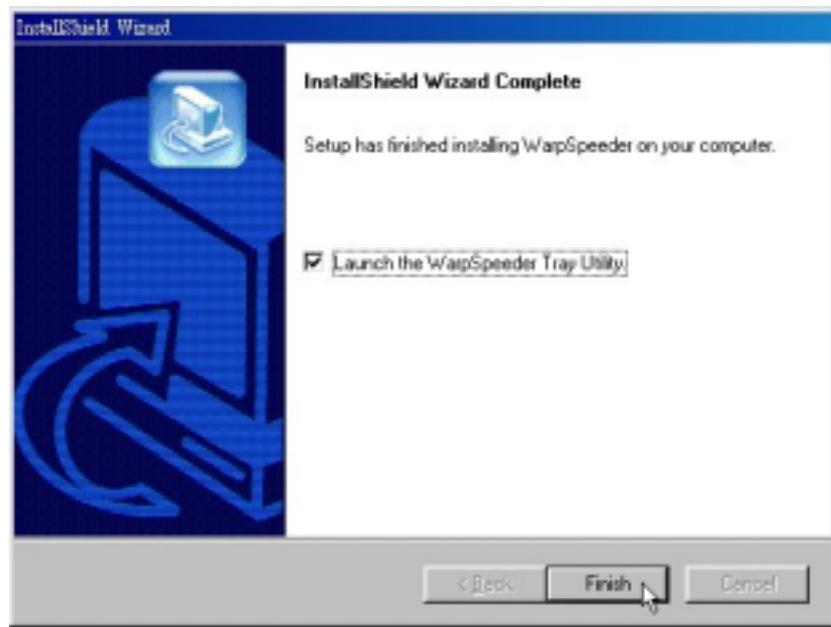
DirectX: DirectX 8.1 or above. (The Windows XP operating system includes DirectX 8.1. If you use Windows XP, you do not need to install DirectX 8.1.)

Installation

1. Execute the setup execution file, and then the following dialog will pop up. Please click "Next" button and follow the default procedure to install.



2. When you see the following dialog in setup procedure, it means setup is completed. If the "Launch the WarpSpeeder Tray Utility" checkbox is checked, the Tray Icon utility and [WarpSpeeder™] utility will be automatically and immediately launched after you click "Finish" button.



Usage

The following figures are just only for reference, the screen printed in this user manual will change according to your motherboard on hand.

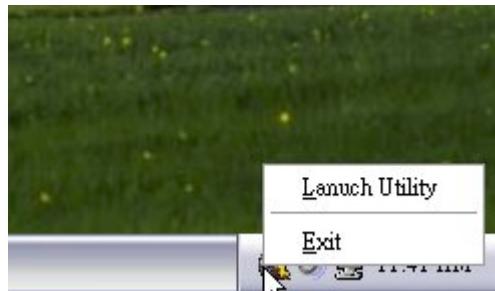
[WarpSpeeder™] includes 1 tray icon and 5 panels:

1. Tray Icon:

Whenever the Tray Icon utility is launched, it will display a little tray icon on the right side of Windows Taskbar.



This utility is responsible for conveniently invoking [WarpSpeeder™] Utility. You can use the mouse by clicking the left button in order to invoke [WarpSpeeder™] directly from the little tray icon or you can right-click the little tray icon to pop up a popup menu as following figure. The “Launch Utility” item in the popup menu has the same function as mouse left-click on tray icon and “Exit” item will close Tray Icon utility if selected.



2. Main Panel

If you click the tray icon, [WarpSpeeder™] utility will be invoked. Please refer do the following figure; the utility's first window you will see is Main Panel.

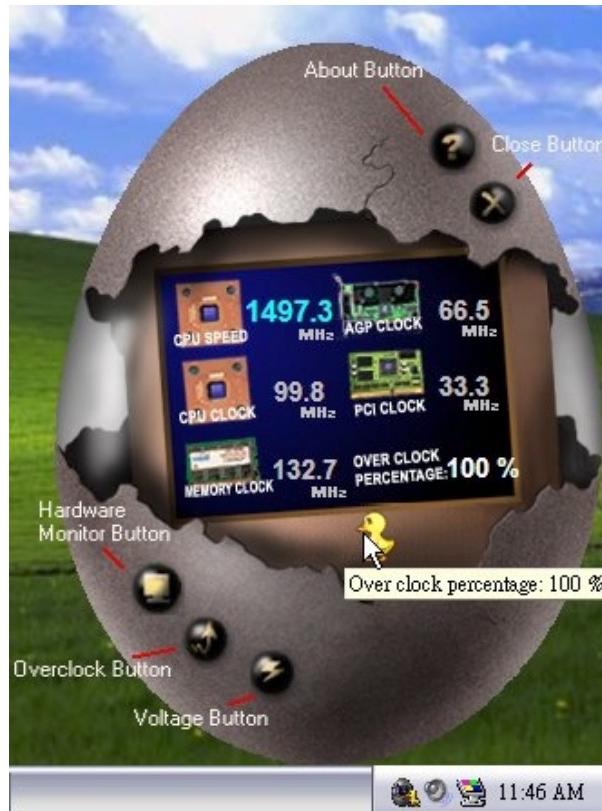
Main Panel contains features as follows:

- a. Display the CPU Speed, CPU external clock, Memory clock, AGP clock, and PCI clock information.
- b. Contains About, Voltage, Overclock, and Hardware Monitor Buttons for invoking respective panels.
- c. With a user-friendly Status Animation, it can represent 3 overclock percentage stages:

Man walking => overclock percentage from 100% ~ 110 %

Panther running => overclock percentage from 110% ~ 120%

Car racing => overclock percentage from 120% ~ above



3. Voltage Panel

Click the Voltage button in Main Panel, the button will be highlighted and the Voltage Panel will slide out to up as the following figure.

In this panel, you can decide to increase CPU core voltage and Memory voltage or not. The default setting is "No". If you want to get the best performance of overclocking, we recommend you click the option "Yes".



4. Overclock Panel

Click the Overclock button in Main Panel, the button will be highlighted and the Overclock Panel will slide out to left as the following figure.

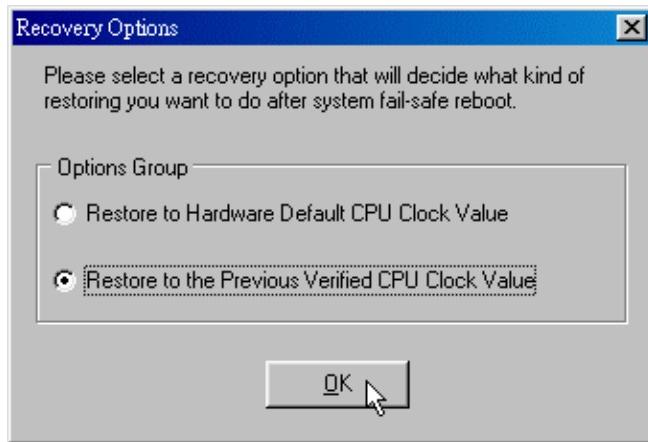


Overclock Panel contains the these features:

- “-3MHz button”, “-1MHz button”, “+1MHz button”, and “+3MHz button”: provide user the ability to do real-time overclock adjustment.

Warning: Manually overclock is potentially dangerous, especially when the overclocking percentage is over 110 %. We strongly recommend you verify every speed you overclock by click the Verify button. Or, you can just click Auto overclock button and let [WarpSpeeder™] automatically gets the best result for you.

- “Recovery Dialog button”: Pop up the following dialog. Let user select a restoring way if system need to do a fail-safe reboot.



- d. "Auto-overclock button": User can click this button and [WarpSpeeder™] will set the best and stable performance and frequency automatically. [WarpSpeeder™] utility will execute a series of testing until system fail. Then system will do fail-safe reboot by using Watchdog function. After reboot, the [WarpSpeeder™] utility will restore to the hardware default setting or load the verified best and stable frequency according to the Recovery Dialog's setting.
- e. "Verify button": User can click this button and [WarpSpeeder™] will proceed a testing for current frequency. If the testing is ok, then the current frequency will be saved into system registry. If the testing fail, system will do a fail-safe rebooting. After reboot, the [WarpSpeeder™] utility will restore to the hardware default setting or load the verified best and stable frequency according to the Recovery Dialog's setting.

Note: Because the testing programs, invoked in Auto-overclock and Verify, include DirectDraw, Direct3D and DirectShow tests, the DirectX 8.1 or newer runtime library is required. And please make sure your display card's color depth is High color (16 bit) or True color(24/32 bit) that is required for Direct3D rendering.

5. Hardware Monitor Panel

Click the Hardware Monitor button in Main Panel, the button will be highlighted and the Hardware Monitor panel will slide out to left as the following figure.

In this panel, you can get the real-time status information of your system. The information will be refreshed every 1 second.



6. About Panel

Click the About button in Main Panel, the button will be highlighted and the About Panel will slide out to up as the following figure.

In this panel, you can get model name and detail information in hints of all the chipset that are related to overclocking. You can also get the mainboard's BIOS model and the Version number of [WarpSpeeder™] utility.



Note: Because the overclock, overvoltage, and hardware monitor features are controlled by several separate chipset, [WarpSpeeder™] divide these features to separate panels. If one chipset is not on board, the correlative button in Main panel will be disabled, but will not interfere other panels' functions. This property can make [WarpSpeeder™] utility more robust.

Trouble Shooting

PROBABLE	SOLUTION
No power to the system at all Power light don't illuminate, fan inside power supply does not turn on. Indicator light on keyboard does not turn on	* Make sure power cable is securely plugged in * Replace cable * Contact technical support
System inoperative. Keyboard lights are on, power indicator lights are lit, hard drive is spinning.	* Using even pressure on both ends of the DIMM, press down firmly until the module snaps into place.
System does not boot from hard disk drive, can be booted from CD-ROM drive.	* Check cable running from disk to disk controller board. Make sure both ends are securely plugged in; check the drive type in the standard CMOS setup. * Backing up the hard drive is extremely important. All hard disks are capable of breaking down at any time.
System only boots from CD-ROM. Hard disk can be read and applications can be used but booting from hard disk is impossible.	* Back up data and applications files. Reformat the hard drive. Re-install applications and data using backup disks.
Screen message says "Invalid Configuration" or "CMOS Failure."	* Review system's equipment . Make sure correct information is in setup.
Cannot boot system after installing second hard drive.	* Set master/slave jumpers correctly. * Run SETUP program and select correct drive types. Call drive manufacturers for compatibility with other drives.

Problemlösung

MÖGLICHE URSACHE	LÖSUNG
Das System hat keine Spannungsversorgung. Die Stromanzeige leuchtet nicht, der Lüfter im Inneren der Stromversorgung wird nicht eingeschaltet. Tastaturlauchten sind nicht an.	* Versichern Sie sich, dass das Stromkabel richtig angebracht ist * Ersetzen Sie das Stromkabel * Wenden Sie sich an Ihre Kundendienststelle
Das System funktioniert nicht. Die Tastaturlauchten sind an, die Stromanzeige leuchtet, die Festplatte dreht sich.	* Drücken Sie das DIMM-Modul bei gleichem Druck an beide Seiten, bis es einrastet.
Das System wird von der Festplatte nicht hochgefahren, vom CD-ROM-Treiber aber ja.	* Überprüfen Sie das Kabel zwischen Festplatte und Festplatten-Controller. Versichern Sie sich, dass beide Enden richtig angebracht sind; überprüfen Sie den Laufwerktyp in der standardmäßigen CMOS-Einrichtung. * Ein Backup der Festplatte ist sehr wichtig. Alle Festplatten können irgendwann beschädigt werden.
Das System wird nur von der CD-ROM hochgefahren. Die Festplatte wird gelesen und die Anwendungen sind funktionsfähig, aber es ist nicht möglich, das System von der Festplatte zu starten.	* Machen Sie eine Sicherungskopie von allen Daten und Anwendungsdateien. Formatieren Sie die Festplatte und reinstallieren Sie die Anwendungen und Daten mit Hilfe von Backup-Disketten.
Auf dem Bildschirm erscheint die Meldung "Ungültige Konfiguration" oder "CMOS Fehler."	* Überprüfen Sie die Systemkomponenten und versichern Sie sich, dass diese richtig eingerichtet sind.
Das System kann nach der Installation einer zweiten Festplatte nicht hochgefahren werden.	* Setzen Sie die Master/Slave-Jumper richtig ein. * Führen Sie das SETUP-Programm aus und wählen Sie die richtigen Laufwerkertypen. Wenden Sie sich an den Laufwerkhersteller, um die Kompatibilität mit anderen Laufwerken zu überprüfen.

08/14/2003